

CLAIMS:

5 What is claimed is:

1. A method of performing network protocol simulation
using an XML document comprising the steps of:

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generating an XML document using network protocol data
packets; and

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changing a part of the XML document to perform the
network protocol simulation.

2. The method of Claim 1 wherein the step of changing a
part of the XML document includes the step of changing
design characteristics of the network protocol to
effect the XML document generation process.

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3. The method of Claim 2 wherein the resultant XML
document is used as a simulation aid.

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4. The method of Claim 3 wherein the XML document is
validated using a schema.

5. The method of Claim 4 wherein new data packets are used
to change the XML document.

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6. A computer program product on a computer readable medium for performing network protocol simulation using an XML document comprising:

5 code means for generating an XML document using network protocol data packets; and

code means for changing a part of the XML document to perform the network protocol simulation.

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7. The computer program product of Claim 6 wherein the code means for changing a part of the XML document includes code means for changing design characteristics of the network protocol to effect the XML document generation process.

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8. The computer program product of Claim 7 wherein the resultant XML document is used as a simulation aid.

- 20 9. The computer program product of Claim 8 wherein the XML document is validated using a schema.

10. The computer program product of Claim 9 wherein new data packets are used to change the XML document.

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11. An apparatus for performing network protocol simulation using an XML document comprising:

means for generating an XML document using network protocol data packets; and

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means for changing a part of the XML document to perform the network protocol simulation.

- 5 12. The apparatus of Claim 11 wherein the means for changing a part of the XML document includes means for changing design characteristics of the network protocol to effect the XML document generation process.
- 10 13. The apparatus of Claim 12 wherein the resultant XML document is used as a simulation aid.
14. The apparatus of Claim 13 wherein the XML document is validated using a schema.
- 15 15. The apparatus of Claim 14 wherein new data packets are used to change the XML document.
16. A computer system for performing network protocol simulation using an XML document comprising:
- 20 at least one memory device for storing code data; and
- at least one processor for processing the code data to generate an XML document using network protocol data packets, and to change a part of the XML document to
- 25 perform the network protocol simulation.
17. The computer system of Claim 16 wherein the processor further processes the code data to change design
- 30 characteristics of the network protocol to effect the XML document generation process.

Docket No. AUS920010871US1

18. The computer system of Claim 17 wherein the resultant XML document is used as a simulation aid.
19. The computer system of Claim 18 wherein the XML
5 document is validated using a schema.
20. The computer system of Claim 19 wherein new data packets are used to change the XML document.

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